

19980618.qrp v01_n126.qrs.980618

Date: Thu, 18 Jun 1998 19:03:16 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1126

QRP-L Digest 1126

Topics covered in this issue include:

- 1) [13330] WTB HW-7
by "Ron Polityka" <wb3aal@talon.net>
- 2) [13331] Re: FT743 xtal costs - what's the issue?
by ka1iic <ka1iic@ime.net>
- 3) [13332] re: AD9850s
by Steven Ciciora <scicior@uswest.com>
- 4) [13333] Fw: Rick Littlefield QRP-17 Radiokit FOR SALE
by "Thaire Bryant" <tbry37@ici.net>
- 5) [13334] QRP xmtr for Bat Detector
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
- 6) [13335] Bat detector (commercial one)
by W7LS <w7ls@blarg.net>
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by nq2rp@juno.com (B/BAMS Club Station)
- 8) [13337] Re: who what is Rv1 call?
by Ab7wy@aol.com
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by "Ken & Linda Burrough" <ne0c@1st.net>
- 12) [13341] Tuning tool
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- 14) [13343] Re: GAP Antennas
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- 16) [13345] RE :MFJ 90XX mod info
by RangerSF5@aol.com
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by kv7g@juno.com
- 18) [13347] Re: Zombies
by Scott Bauer <ke3nv@erols.com>
- 19) [13348] Vamistor--What Is It?

- by Russ Garner <71544.1645@compuserve.com>
- 20) [13349] Re: Vamistor--What Is It?
by W7LS <w7ls@blarg.net>
- 21) [13350]
by "=?iso-8859-1?Q?Juam_Antonio_L=F3pez._EA8QJ?=" <jalopezd@arrakis.es>
- 22) [13351] Re: who what is Rv1 call?
by Ab7wy@aol.com
- 23) [13352] DL-QRP-PA on Web page
by "Peter Zenker DL2FI" <Peter_DL2FI@csi.com>
- 24) [13353] homepage of DL-QRP-PA
by "Peter Zenker DL2FI" <Peter_DL2FI@csi.com>
- 25) [13354] Salvaging floppy drive parts
by Jon Iza <iapizloj@bicc00.bi.ehu.es>
- 26) [13355] Measuring RF Out
by gstauffe@ix.netcom.com (Gilbert Stauffer)
- 27) [13356] Filter Band Pass Ripple
by "James R. Duffey" <ji3m@maxwell.com>
- 28) [13357] Salvaging floppy drive parts II
by Jon Iza <iapizloj@bicc00.bi.ehu.es>
- 29) [13358] Space between antennas?
by Lauri_Frank_J@bns.att.com
- 30) [13359] Re: who what is Rv1 call?
by "Kevin Muenzler-WB5RUE" <wb5rue@ccnmail.com>
- 31) [13360] Schurr Paddle
by Bill Nicolson <n2wf@erols.com>
- 32) [13361] Dans Centennial - results
by Michael Maiorana <mikemo@ibm.net>
- 33) [13362] Re: Vamistor--What Is It?
by Leon Heller <leon@lfheller.demon.co.uk>
- 34) [13363] Two-band dipole from speaker wire for FD?
by David Ek <ekdave@earthlink.net>
- 35) [13364] RE: Two-band dipole from speaker wire for FD?
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 36) [13365] Gap Antennas, Titan works Great
by "rohre" <rohre@arlut.utexas.edu>
- 37) [13366] Re: Two-band dipole from speaker wire for FD?
by applitech@mcg.net (Claton Cadmus)
- 38) [13367] Re: Salvaging floppy drive parts
by W7LS <w7ls@blarg.net>
- 39) [13368] Embedded Research?
by Rick Weber <weber@accenttech.com>
- 40) [13369] Re: Embedded Research?
by "Tim, KD5CKP" <kd5ckp@bellsouth.net>
- 41) [13370] International QRP Day Contest
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
- 42) [13371] 6 meters qrp xcvr/xverter kits
by jaywa5whn@juno.com (Jay D Miller)
- 43) [13372] Re: Salvaging floppy drive parts

- by Dale Botkin <dbotkin@probe.net>
- 44) [13373] Re: Altoids boxes - suggested applications
by Todd Nichols <nichols@rtp.ericsson.se>
- 45) [13374] QRP ARCI Award
by Mel Evans <MelEvansGM6JAG@compuserve.com>
- 46) [13375] CIRCAD ignorance
by jeverhar@camden.lmco.com
- 47) [13376] An Interesting GAP review
by Larry Cruise <Larry.Cruise@MCI.Com>
- 48) [13377] Re: Two-band dipole from speaker wire for FD?
by applitech@mcg.net (Claton Cadmus)
- 49) [13378] Book Trade: Satellite Anthology for Hints and Kinks.
by "Vincent Ferme" <vferme@sprint.ca>
- 50) [13379] Herring Aid 5
by Norm Melick <henmel@postoffice.worldnet.att.net>
- 51) [13380] FOOMAC in log!
by "Wayne Smith" <k8ff@en.com>
- 52) [13381] Re: WAS
by wd3p@juno.com (Larry Cahoon)
- 53) [13382] NQ2RP/B
by Stewart Whitehouse <STEW_W@compuserve.com>
- 54) [13383] Re: Embedded Research?
by Mike - W0TMW <crucis@sky.net>
- 55) [13384] Important GPS info and roll over date/
by RangerSF5@aol.com
- 56) [13385] Re: Space between antennas?
by Ed <edn4pk@voyageronline.net>
- 57) [13386] MARINE PUBLICATION
by ARDUJENSKI@aol.com
- 58) [13387] Re: Zombies
by "Robert P. Okas" <vintage@best.com>
- 59) [13388] Re: An Interesting GAP review
by Dale Botkin <dbotkin@probe.net>

Date: Wed, 17 Jun 1998 19:11:44 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [13330] WTB HW-7
Message-ID: <00c301bd9a45\$4d417bc0\$625445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

Anyone have a Heathkit HW-7 that they want to part with? Looking for one not modified in fair condition.

Thanks,
73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net
http://www.kpsnet.com/wb3aal/Start_Page.htm
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1 QRP # 5318 10-10 # 13173
QRP-L # 1099 G-QRP # 3031 AK QRP # 309
Adventure Radio Society #380
Bumblebee #84

Date: Wed, 17 Jun 1998 19:12:27 -0700
From: kaliic <kaliic@ime.net>
To: vferme@sprint.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13331] Re: FT743 xtal costs - what's the issue?
Message-ID: <3588778B.47D8@ime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all,

I've always been able to find these crystals at hamfests quite reasonable anywhere from .25 to a buck each.

They can be reground to a higher frequency but you better find a real OM for instructions on that operation. You may find info on grinding them in some early 50's Arrl handbooks... but I'm not sure.

73
Vince
kaliic
-.-.

Date: Wed, 17 Jun 1998 17:17:07 -0600
From: Steven Ciciora <scicior@uswest.com>
To: dpuckett@erinet.com, qrp-1@Lehigh.EDU
Subject: [13332] re: AD9850s
Message-ID: <35884E73.6B3D@minmail.uswc.uswest.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Newark Electronics (<http://www.newark.com>) has quantity 939 AD9850BRS available at \$38.76 in singles. I bet you might be able to find a better price (no guesses where), but from them you can order just one. It is possible to get free samples if you talk to a sales rep or the manufacture. I am always up front and honest with them. I tell them that I am a student/ham/experimenter and will not likely buy large quantities in the future. I also mention that I'm having a very hard time trying to buy just one and a friend mentioned that I might be able to get a free sample by asking nicely. Some companies are more reluctant than others, and I don't ask them for any more free samples. Places like Microchip are more than happy to give you one or two. I know some people who think they are clever by 'inventing' a company, fake letter head, etc and claim to be developing a product that might someday sell millions. Well, doesn't seem honest to me. Almost like stealing.

Please keep me informed of your progress! I have dreams of using this chip followed up with a x256 PLL to clean up the phase noise as a first mixer for my 'dc-daylight' rig (that I'm building in my head).

Steven Ciciora
KB0PJF

Date: Tue, 16 Jun 1998 20:41:17 -0400
From: Dan Puckett <dpuckett@erinet.com>
To: qrp-1@Lehigh.EDU
Subject: [13262] AD9850s
Message-ID: <358710AD.A78B4631@erinet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok gang,

I'm finally interested enough to plunk down some cash for an IC to built a DDS. The AD9850 seems to be the way to go. After calling a few places for prices, I'm discouraged. They all want \$250 min orders. Dan don't play that game. So, the question of the day is: Where does one buy said AD9850, in quantities of one, that doesn't want my first born for a down payment?

72, Bang bits ("Melt solder!" has already been taken.)
Dan

Date: Wed, 17 Jun 1998 20:26:34 -0400
From: "Thaire Bryant" <tbry37@ici.net>
To: <qrp-1@Lehigh.EDU>
Subject: [13333] Fw: Rick Littlefield QRP-17 Radiokit FOR SALE
Message-ID: <199806180024.UAA28917@bajor.ici.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: Thaire Bryant <tbry37@ici.net>
> To: qrp-1@lehigh.edu
> Subject: Rick Littlefield QRP-17 Radiokit FOR SALE
> >
> I have an un-built complete Radiokit QRP-17 kit
> for sale. All parts in unopened original parts bags,
> instructions, and enclosure. Radiokit modified the
> QRP-15 to work on 17 meters.
>
> Original cost was about \$100, will sell for same.
> Delivered conus.
> Thaire Bryant W2APF e-mail: TBry37@ici.net

Date: Wed, 17 Jun 1998 17:45:13 -0700
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>

Subject: [13334] QRP xmtr for Bat Detector
Message-ID: <19980618004549.VTEK6771@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Bat-gang:

Been thinking about this one ... and have bought all the parts except the DIVIDE BY chip. I bought the send and receive units (matched set, \$2.50) from All Electronics in Van Nuys (if you're interested try 800-826-5432 between 830a-5p, PDT).

I'm going to make the BAT RCVR for the kids -- but then I want to turn the sending unit into my own QRP BAT XMTR!

Once I have a receiver that tunes to 40kHz, it's only logical that it would want to copy a little CW or perhaps AM between BAT CHIRPS. I've never played around with ultrasound transducers before, so does anyone have any ideas about building the sending unit into a transmitter? Will keying the battery voltage to it destroy it -- or will that produce a CW, ultrasound rig?? In the circuit the 'receive unit' acts like a microphone -- I can't quite figure out how the

"sending unit" works. Does anyone have experiences with these????

Inquiring BATminds want to know.....

Pls and tnx....

PS---for your own BAT-fun and BAT-excitement, check the url at:

<http://pw1.netcom.com/~t-rex/BatDetector.html>

73/72, de alan

Alan Kaul, W6RCL, LaCanada-Flintridge, CA

<http://home.att.net/~alan.kaul/qrp.html>

alan.kaul@worldnet.att.net

w6rcl@amsat.org

Date: Wed, 17 Jun 1998 17:59:37 -0700
From: W7LS <w7ls@blarg.net>
To: qrp-l@Lehigh.EDU
Subject: [13335] Bat detector (commercial one)
Message-ID: <35886679.3CD6@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. I have a commercial version of the bat detector. Maybe not the one being discussed, but it is cool. It is a green rig out of England. Cost me \$300. Works very well. It is a heterodyne unit. We can regularly hear bats with it. Mostly, I find the bats between 20 and 25 KHz around here.

Interestingly, you can pick up a person walking from quite a distance, especially if they shuffle their feet or are on rocky ground. If they jingle a set of keys, it will almost blow the earphones off your head! Fun stuff.

Oh, for transmitting, just take a LM555 astable oscillator circuit and pump it into a generic 40 KHz ultrasonic transducer. It will make one heck of a transmitter. BTW, we can hear bats easily from 50 yards. No problem at all. I think the useable range is more like 100 yards, from seeing bats circling trees and so on.

It's interesting to hear them home in on a bug. They send pulses out, faster and faster, as they draw nearer and the time between retransmissions gets shorter. Sounds like a "braaaaaaap!"
Jim W7LS

Date: Wed, 17 Jun 1998 21:37:00 EDT
From: nq2rp@juno.com (B/BAMS Club Station)
To: qrp-l@Lehigh.EDU, n2tuk@frontiernet.net, cg091@freenet.buffalo.edu, bobkowa@netacc.net, billy@frontiernet.net, djw@dos.nortel.com, wb8ygg@juno.com, rindiano@rpa.net, duanekf2jc@aol.com, kf2xc@frontiernet.net, n2uio@frontiernet.net, k2db@contesting.com, cwell@juno.com, k2dv@frontiernet.net,
Subject: [13336] NQ2RP/B on at new site
Message-ID: <19980617.213631.4263.0.nq2rp@juno.com>

The NQ2RP 10 Meter beacon was moved tonite to a site about 5 miles, and 150 feet higher than the old location. Thanks to George, N2UIO for the use of his site.

The beacon is still running 125 mW (+21 dBm), and is running to a 1/2-wave 10 Meter vertical. It is on 24 hours a day. The frequency is 28.2875 MHz and the ID gives the 6-digit grid locator along with an Email address for reports. If you hear NQ2RP/B, please send a report to the club.

I am working on a certificate for the beacon for those out there with really good ears. If you are hearing it via any sort of E-Skip path, or an F-layer path, you are receiving well over 1000 Miles per watt. Go for it!

72/73, Keith, WB2VUO at the keys at B/BAMS
NQ2RP - QRP-L # 1294, Byron/Bergen AMateurS Club Station
Listen for our 10 Mtr Milliwatting Beacon: 125 mW @ 28.287 MHz
"Our night light runs more power than our Rig!!!"

Date: Wed, 17 Jun 1998 21:40:24 EDT
From: Ab7wy@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13337] Re: who what is Rv1 call?
Message-ID: <d68a7364.35887009@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Bob, if im not mistaken, RV1 is european russia. same as UA1-4. the R prefix used to indicate russian novices or even special event calls (like russian war veterans). now the R is more prevelant in common russian calls. i hope this helped. 72/73 es good qrp dx. Adam AB7WY

Date: Wed, 17 Jun 1998 19:40:25 -0600
From: "Steve Hurst" <shurst@magiclink.com>
To: <edn4pk@voyageronline.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13338] Re: WAS help
Message-ID: <199806180141.VAA28794@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Heck Ed ,

I'd go to the Tetons for a good steak dinner !!!! Provided Al buys good beer !!!! :-). Yeah, that's it Al's putting on a Steak and beer dinner in the Teton's ... who's coming ???

:-)

73,
Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>
shurst@magiclink.com

" I'm cooler than you are. Why don't you fix your little problem and light this candle ?"

Alan B. Shepard

> From: Ed <edn4pk@voyageronline.net>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Re: WAS help
> Date: Wednesday, June 17, 1998 3:31 PM
>
> Al, For a free air ticket and all expenses paid the YL and I will gladly
> travel to the Grand Tetons Park where I will activate Wyo for you. If
> you do'nt mind we also need kennel service for a week..hihihehe.....
> Ed N4PK
> Chickamauga,Ga. (jus 1 or 2 states sw of Wyo.....)
>

Date: Wed, 17 Jun 1998 21:54:39 -0400 (EDT)
From: Jim Fielden <fielden@utkux.utcc.utk.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13339] HW-7 Power Supply
Message-ID: <Pine.GS0.3.96.980617215237.20517A-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello All,
I lost the E-mail but someone had a power supply for the hw-7/hw-8 that
they were thinking about selling?
I lost that mail. If that is you, or if you have a hw-7 power supply for
sale let me know, I have a hw-7 and hw-8 so I could really use a power
supply to hook up to both of these rigs.

tnx es 73,
Jim -- ku4qw
fielden@utkux.utcc.utk.edu

Date: Wed, 17 Jun 1998 22:18:31 -0400
From: "Ken & Linda Burrough" <ne0c@1st.net>
To: "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [13340] More GAP Info
Message-ID: <003a01bd9a5f\$791609e0\$68d633d1@ne0c.1st.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Again Gang

I have to agree with Terry/KA9TXE the GAP Titan is strong. I didn't say enough about the Titan in my earlier posting. As I stated I have three GAP verticals, an Challenger, Titan and Voyager.

The Titan has double wall tubing in the bottom half, this is what the Challenger needs. I ordered from the factory another mid-section tube today. This is the third time I will replace this tube. The first and third times caused by wind and not guying for my QTH. The second time I replaced the mid-section tube was because my 44 inch mower deck eat the guy rope. I don't blame GAP for any of this, Richard and George both told me to guy for the worse case I could think of. This time I ordered GAP's guying kits and a little more. George recommends guying the Challenger with four ropes about 12 inches above the center insulator. This time I am also installing four guy ropes at the top of the antenna, the same as the Voyager.

Why the over kill on guying? I live 20 miles west of wheeling, Wv along Interstate 70 at 1250 foot, The Ohio River and Wheeling are at 650 foot. I'm on a hill top and it is windy

I have had verticals most of the 18 years I have been in Ham Radio and the GAP Antenna's are the best of all, and I have tried most of the others at one time or another.

72 from the Buzzard Roost and gud qrxping.

Ken/ne0c QRP-L 1524

Date: Wed, 17 Jun 1998 21:20:51 -0500
From: Bob Liesenfeld <wb0poq@visi.com>
To: QRP-L reflector <qrp-l@Lehigh.EDU>
Subject: [13341] Tuning tool
Message-ID: <35887983.33577404@visi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang,

I have been playing with some 2 pole BP filters for a mobile SW converter, and am faced with an old bug-a-boo. Some of these ckts have *very* high Z points at some of the internode variable coupling caps, and even the tiny metal blade of most tuning tools detunes them making alignment very tedious.

Years ago when I worked in 2 way (ahhhh the good old days :-) we used a tuning tool with a white ceramic tip, held in a rigid cardboard tube. The tip had a chisel shape, and was perhaps 1 1/2" long. These tips were *very* brittle, but did not affect tuning as you placed them in the cap's slot. I remember breaking lots of these! The question is, where can a person get these critters now?

Hope one of you can help.
Tnx es 72

Bob 'POQ

--

Genuine E-mail From the Land of the Everlasting Icicle...
Bob Liesenfeld
wb0poq@visi.com

Date: Wed, 17 Jun 1998 22:43:56 -0400
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.EDU>
Subject: [13342] Dinner with Chuck K5FO
Message-ID: <35887EEC.11291D4D@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We had a few people show up for dinner with Chuck tonight.

Now for next week we need to know what night is best, and where is good for dinner?

Anybody who is in or near Orlando, Florida, and wants to enjoy good food and conversation with K5FO himself, please vote for an evening, Tuesday, Wednesday, or Thursday.

Suggestions for a meeting place are also welcome.

thanks

michael N6CHV

Date: Thu, 18 Jun 1998 02:45:41 +0100
From: Peter Larsen <larsenp@cadvision.com>
To: datwyler@aros.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13343] Re: GAP Antennas
Message-ID: <35887145.C7E417C9@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Doug:

I have used a GAP DX-IV. It is a good low band antenna. Gang busters on 40!! It was equal or better than the local DX club's 2 elem 40 meter beam at 56 feet. (on DX only, short hops into VE5, beam was 10 dB better.)

A bunch of us went up to Cameron Island to put on the CH8MNP IOTA DX-pedition. It was better than the R-7 on every occasion. We worked VK9L on 40 with it.

On 80 it works well on DX but not so good on local nets. I was able to work VE9 and VE1 easier than VE5.

It is OK on 160, better than most short verticals IMO.

It resonates on 20.

I have used the Titan, but only for about 2 weeks so not a good run of time. So I can't give you a report on it other than it wasn't as good as my TH-6. (so what else would you expect??)

I don't think you will be disappointed with the GAP.

Have fun and gud DX
DE Calgary Alberta.
(soon to be port VY1)
Pete

Date: Wed, 17 Jun 1998 22:41:00 -0400
From: THE ONE AND ONLY <mitch96@pobox.com>
To: Qrp-1@Lehigh.EDU

Subject: [13344] Gap vs Sommer
Message-ID: <35887E3C.6239@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang,
Interesting thread on the Gap. Anyone on the list using any of the Sommer verticals? Would be an interesting comparison. I've been thinking of getting one. They come in two flavors. 25' and 50'. Of course, if 25 is good, 50 is better, right?? But I'm just checking to see if anyone on the list ever used one.
tnx
--

Mitch, Ww4mL
Eschew Obfuscation!

Date: Wed, 17 Jun 1998 22:47:51 EDT
From: RangerSF5@aol.com
To: qrp-l@Lehigh.EDU
Subject: [13345] RE :MFJ 90XX mod info
Message-ID: <3b756a22.35887fd8@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Just thought I would post this as I have had so many others asking me about the Flame Thrower QRP rig, AKA MFJ 90XX series
I don't know much more about the MFJ than the average MFJ user.
I tune mine as per Paul, NA5N news letter
I have made minor mods such as part changes and improved the audio and RX
So, if anyone wants the text, let me know and I'll upload it to you
Bob
WA2HOQ

Date: Wed, 17 Jun 1998 18:35:21 -0700
From: kv7g@juno.com
To: mutabut@net66.com
Cc: qrp-l@Lehigh.EDU
Subject: [13346] Re: GAP Antennas

Message-ID: <19980617.183522.13446.0.kv7g@juno.com>

The Gap Capacitor colors are as follows

Black	3300pf	3.5mhz
White	2800pf	3.6mhz
Red	2300pf	3.7mhz
Blue	1900pf	3.8mhz
Green	1500pf	3.9mhz
Clear/Orange	1400pf	4.0

Bud - KV7G - Yuma,AZ

On Wed, 17 Jun 1998 16:42:43 -0500 "Terry Bassett" <mutabut@net66.com> writes:

>Gang;

>

>I just recently installed a GAP Titan (about a week ago). It works as
>advertised.

> Dealing with the company was FB...my order was delayed a little as
>they

>all packed up and went to Dayton. Can't blame 'em...I got the extra
>molded

>cap for 3900 and one for 3500. My only hitch was that they didn't
>mark

>which was which...So for now I have the 3900 in place even though my
>SSB rig

>is down and out...(My fault not theirs).

>

> So, all appropriate disclaimers, etc... I paid full price and if
>I had

>it to do over again, I would.

>

>73,

>

>Terry KA9TXE

>

>

>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 17 Jun 1998 23:52:46 -0400
From: Scott Bauer <ke3nv@erols.com>
To: Pparker@greatbasin.net, qrp-1@Lehigh.EDU
Subject: [13347] Re: Zombies
Message-ID: <199806180352.XAA28575@smtp1.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Naw, It cant be the "time of the season" Because,
"Shes not there" ;-))

w3cv, Scott Odenton

At 06:32 AM 6/17/98 -0700, you wrote:
>At 01:12 PM 6/16/98 -0700, you wrote:
>>Robert P. Okas wrote:
>>
>>> Naw, It's the time of the season...
>>
>>Wonder how many caught on to this one?
>>
>>72 de Jim - AD6CW
>>
>>
>>
>I preferred to ignore it....too painful, given the fact that I was in
>broadcasting working as a Top-40 DJ when that was released and that it's
>been nearly 30 years;>)
>
>BTW, for those who might remember the days when radio (and broadcasting in
>general) was *fun*, I just received my e-mail copy of the Portland SBE
>Newsletter and saddened to find that Robert W. Morgan (one of the KHJ "Boss
>Jocks") has died...apparently of cancer.
>
>Jack, W7PW
>(ex-WOKY, Milwaukee and WDHF, Chicago)
>

Date: Thu, 18 Jun 1998 00:37:49 -0400
From: Russ Garner <71544.1645@compuserve.com>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [13348] Vamistor--What Is It?
Message-ID: <199806180038_MC2-4091-9685@compuserve.com>

MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Listers--

Picked up some absolutely essential parts
at my local junk outlet. One was labeled
"VAMISTOR". Seems to be a linear device. One
had a resistance around 800 ohms. About the size
of a 5-watt encapsulated resistor. Axial leads
very robust. If you can enlighten me, please
dump.

Regards, Russ Garner--WA0UIG--Marion, Iowa--
QRP-L 734

Date: Wed, 17 Jun 1998 22:35:25 -0700
From: W7LS <w7ls@blarg.net>
To: 71544.1645@compuserve.com
Cc: qrp-l@Lehigh.EDU
Subject: [13349] Re: Vamistor--What Is It?
Message-ID: <3588A71D.84D@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Russ Garner wrote:

>
> Listers--
>
> Picked up some absolutely essential parts
> at my local junk outlet. One was labeled
> "VAMISTOR". Seems to be a linear device. One
> had a resistance around 800 ohms. About the size
> of a 5-watt encapsulated resistor. Axial leads
> very robust. If you can enlighten me, please
> dump.
>
> Regards, Russ Garner--WA0UIG--Marion, Iowa--
> QRP-L 734

Hi. Probably a misspelled VARISTOR or at least smudged writing.

Jim W7LS

Date: Thu, 18 Jun 1998 05:56:32 +0100
From: "=?iso-8859-1?Q?Juam_Antonio_L=F3pez._EA8QJ?=" <jalopezd@arrakis.es>
To: "LOW AMATEUR POWER DISCUSSION" <qrp-1@Lehigh.EDU>
Message-ID: <005b01bd9a76\$3df61dc0\$394c05c3@juananto>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Hi gang,

Did you visited the EA-QRP Club Home page?. Now, there is a english version growing up with many technical articles that you can download.

Welcome in advance, es 72

Juan Antonio L pez, EA8QJ, EA-QRP # 196
Relationship & develoment.
Personal Web Site: <http://www.arrakis.es/~jalopezd>
EA-QRP Club Web Site: <http://www.eaqrp-c.arrakis.es>

Date: Thu, 18 Jun 1998 02:21:01 EDT
From: Ab7wy@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13351] Re: who what is Rv1 call?
Message-ID: <295a9281.3588b1ce@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

hey bob, ive got some real treats with my mfj 9020 and 9040. im just a happy owner. sometimes 1.5 kw would satisfy my frustration, but the thrill of bagging a new one on qrp is much sweeter. good luck and load up on rare cards,72, Adam, AB7WY

Date: Thu, 18 Jun 1998 11:12:47 +0200
From: "Peter Zenker DL2FI" <Peter_DL2FI@csi.com>
To: "'Internet Liste via PoP3'" <qrp-1@Lehigh.EDU>
Subject: [13352] DL-QRP-PA on Web page
Message-ID: <000001bd9a99\$67a0b0e0\$16d374a7@ZENKERPN.perkin-elmer.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello fellow QRPers,

finaly I could revisite my Web page and you will find a Schematic and Foto of the German QRP Club DL-QRP-AG project on it. For those who didnt see my postings in the past, it is a 2.5 by 4.5 cm 1.8 to 50 MHz Linear with a gain of 37 dB+-1dB

It is a push pull Amplifier including a driver stage, requiring not more the 200mV at 50 Ohm to produce a clean signal of 5Watt out.

Also you will find some other new stuff like fishermens dipper, fishermens antenna tuner plus an information about my newes DDS+R2 project and some fotos as well.

72 de Peter, DL2FI

Date: Thu, 18 Jun 1998 12:27:42 +0200
From: "Peter Zenker DL2FI" <Peter_DL2FI@csi.com>
To: "'Internet Liste via PoP3'" <qrp-1@Lehigh.EDU>
Subject: [13353] homepage of DL-QRP-PA
Message-ID: <000001bd9aa3\$df0c1660\$16d374a7@ZENKERPN.perkin-elmer.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sri, I forgot the homepage adress:

http://ourworld.compuserve.com/homepages/Peter_DL2FI/

72 de Peter

Date: Thu, 18 Jun 1998 13:04:42 -0700
From: Jon Iza <iapizloj@bicc00.bi.ehu.es>
To: qrp-1@Lehigh.EDU
Subject: [13354] Salvaging floppy drive parts
Message-ID: <358972DA.6770@bicc00.bi.ehu.es>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks,
after the thread on salvaging MOSFETs from hard drive circuitry,
I may add that 360 KB floppy drives are excellent sources of parts for
automated couplers.
The head linear movement may be used to insert/pull an inductor core
or, scrapping the mechanism, use the motor axis to drive a variable
capacitor, or pot. All the circuitry to drive the step motor is there.
You only need +12 / +5 Volts, and three logic (TTL) lines for
forward/backward, enable, and step.
Let me know if you want to know more and I will elaborate.
jon, ea2sn

Date: Thu, 18 Jun 1998 07:23:09 -0500 (CDT)
From: gstauffe@ix.netcom.com (Gilbert Stauffer)
To: qrp-1@Lehigh.EDU
Subject: [13355] Measuring RF Out
Message-ID: <199806181223.HAA22831@dfw-ix9.ix.netcom.com>

Thank you to everyone for responding to my request for help and advice!
This really is a good group. I've already begun to explore your
suggestions. Thanks again...and good DX!

Gil - WB3ESR
gstauffe@ix.netcom.com

Date: Thu, 18 Jun 1998 07:27:24 -0600
From: "James R. Duffey" <ji3m@maxwell.com>
To: qrp-1@Lehigh.EDU

Subject: [13356] Filter Band Pass Ripple
Message-ID: <v03007808b1aec6326f54@[199.120.49.102]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gary - Congratulations on getting your receiver front end/filter design working. It is an achievement you should be proud of. Tell your wife that I said so. She should be proud of you as well.

In your post you asked;

"..., when I tune the VFO across the signal over a range of about 600 Hz and watch it on an o-scope, what I see is the peak voltage reading rise and fall between .2 volt to .3 volt about three different times. ..., I wonder what is going on?..., Is this a ripple across the top of my crystal filter pattern???? Is this normal?"

I assume that the amplitude goes to zero (Or greatly reduces) at some frequency a few hundred Hertz from the nominal center frequency of the filter?? If so, you have probably done things right.

It sounds like what you are seeing is "normal" passband ripple, as the variation you describe, .2 V to .3 V is about 1.8 dB "peak to valley, or +/-0.9 dB, and is fairly common for homebrew filters depending on their geometry and how closely matched the crystals are and how close to the design value the capacitors are. dBs are wonderful things for minimizing problems. (I love it when I can start a sentence without a cap!!) You may be hard pressed to hear the audio variation in the final receiver on a crowded noisy band like 40 M, especially if your finished receiver has AGC. You aren't including AGC in your design are you ?? =*^).

You can design filters with less ripple in the passband and you can probably improve your present filter with some of those techniques. "QRP Power" has several good articles on crystal filter design you should read if you haven't already done so, and "RF Design" from Wes Hayward, W7ZOI, is also a good available reference with software for calculating crystal filter parameters.

Keep us informed on your progress. - KK6MC/5

James R. Duffey KK6MC/5 DM65 <jamesd1@flash.net>
30 Casa Loma Road
Cedar Crest NM 87008

Date: Thu, 18 Jun 1998 15:49:43 -0700
From: Jon Iza <iapizloj@bicc00.bi.ehu.es>
To: qrp-1@Lehigh.EDU
Subject: [13357] Salvaging floppy drive parts II
Message-ID: <35899987.4B58@bicc00.bi.ehu.es>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OK, folks,
here it goes the information.
Usually, 5 1/4 inch 360 KB drives have one big PCB or two PCB, the second one holding the motor used to spin the floppy. That motor (a precise 300 -or is it 360?- rpm is of little use. The one we are going to use is the stepper which moves the head up and down the radius of the floppy.
We have to keep all the electronics, and carefully remove from their holders the switches and sensors which detect "floppy-on-bay" and "index-hole". At this point it's possible to remove the spinning motor, and associate mechanics to clean up the operating field.
We may end up seeing the place where the head moves up and down. We have to keep those rails if we need a linear action.
If we want circular action we may scrap all that mechanic parts and remove the motor from its place, but KEEP THE CONNECTIONS to the board.

The drive has two connectors, a power one, with +12, +5 volts, and the other one, which is a PCB board connector. One of the sides have even connections, the others are odd.
Motor ON is on when pin 14 is tied to ground.
Direction is on pin 18
Step is on pin 20.

You may use a toggle switch to try on direction and a pushbutton on Step.

I will elaborate more, but I have to run now.
Be well
jon, ea2sn

Date: Thu, 18 Jun 98 09:51:58 -0400
From: Lauri_Frank_J@bns.att.com
To: qrp-1@Lehigh.EDU
Subject: [13358] Space between antennas?
Message-ID: <H00001ce009c3702@MHS>

I am installing a Force 12 C3S tribander (20-15-10) and was thinking about adding a 3 element beam for 6 meters on the same mast. This is my very first beam for HF and am not sure what the proper distance should be between the 2 antennas. Is there a general formula to use?

The correct answer would be greatly appreciated.

73,

Frank - KD2IX - Carmel, New York - FN31

Date: Thu, 18 Jun 1998 07:04:12 -0700
From: "Kevin Muenzler-WB5RUE" <wb5rue@ccnmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, RangerSF5@aol.com
Subject: [13359] Re: who what is Rv1 call?
Message-ID: <POKPA00KE0ILAAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

RV belongs to Russia specifically. (not ussr)

Kevin, WB5RUE

>I just worked France and yugoslavia then I heard a RV1AC calling CQ and the
>bands were deep with qsb but I got the rst and name but two failed tries on
>the qth.
>He was calling CQ/Dx and a lot of Dx is rolling into him but not strong enough
>for me to make them out. Anyone have a clue in regards to thr RV1 station??
>Location?
>Bob
>WA2HOQ
>
>

CCNmail for your free web-based e-mail. <http://www.ccnmail.com>

Date: Thu, 18 Jun 1998 10:16:51 -0400

From: Bill Nicolson <n2wf@erols.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13360] Schurr Paddle
Message-ID: <35892153.B3F4266D@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Schurr Paddle Has been sold!!
Tnx to all 72 de Bill N2WF

Date: Thu, 18 Jun 1998 10:40:09 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp1 <qrp-1@Lehigh.EDU>
Subject: [13361] Dans Centennial - results
Message-ID: <358926C9.206F@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

After asking about the Dans Centennial kit, I got a bunch of people who wanted to know what the "results" of my inquiry were.

I got responses from "great kit" to "piece of junk". No real trend. My guess is that it is not for the faint hearted ;-) Lots of component substitutions and mismarkings. There is a positive review at http://www.natworld.com/ars/pages/back_issues/0598_text/0598.html
If you are a skilled kit builder you will probably be successful.

The kit is on sale from Dans for 49.95, discounted from 79.95 .
Sounds like a crap shoot (no pun intended). On the other hand a \$50 SSB QRP kit sounds like a great deal.

--
72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: Thu, 18 Jun 1998 07:36:11 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: 71544.1645@compuserve.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13362] Re: Vamistor--What Is It?
Message-ID: <F01FFMAbVLI1Ewt8@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <199806180038_MC2-4091-9685@compuserve.com>, Russ Garner
<71544.1645@compuserve.com> writes

>Listers--

>

>Picked up some absolutely essential parts
>at my local junk outlet. One was labeled
>"VAMISTOR". Seems to be a linear device. One
>had a resistance around 800 ohms. About the size
>of a 5-watt encapsulated resistor. Axial leads
>very robust. If you can enlighten me, please
>dump.

Could it be a varistor? They behave like back-to-back zener diodes and
are used for transient suppression.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of a simple AD9850
DDS system. See " /diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Thu, 18 Jun 1998 09:11:40 -0600
From: David Ek <ekdave@earthlink.net>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [13363] Two-band dipole from speaker wire for FD?
Message-ID: <01BD9A99.1BCC75A0.ekdave@earthlink.net>

Hi all -

I'm trying to prepare for a Field Day backpacking excursion and need to put
together an antenna for 40 and 20m. My original thought was a dipole fed
with TV twinlead using a tuner, but I'd really like to eliminate the need
to carry a tuner and swr meter in my backpack. The thought struck me that I
could feed two parallel dipoles with coax and get a good enough match to
not need the atu. Then the thought struck me (I'm getting pretty bloodied
by now) that I might be able to use zip cord (speaker wire) for the
radiator, cutting each of the two conductors for resonance on the two bands
I need but otherwise not separating the two conductors. Has anyone tried
that before? Seems like the only difference between this and the parallel

dipoles in my back yard (which work nicely) is the distance between the radiators for each band. It would certainly be a simple antenna to put up.

Also, with dipoles, am I likely to see a significant difference in SWR with different orientations of the radiators (inverted V vs not, for example)? I want to be able to trim for resonance at home and have some confidence that the swr won't be significantly different (i.e. unacceptable) in the field.

BTW, my plan is to journey into the mountains just west of here in Colorado Springs. If there are any other qrp-er's in the area who might like to join the expedition, drop me an email. I'm planning an overnight stay in the area of one of the reservoirs.

72,

Dave AB0GO

Date: Thu, 18 Jun 1998 10:55:32 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <ekdave@earthlink.net>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [13364] RE: Two-band dipole from speaker wire for FD?
Message-ID: <19980618155534798.AAA90@muenzlerk>

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> David Ek
> Sent: Thursday, June 18, 1998 10:12 AM
> To: Low Power Amateur Radio Discussion
> Subject: Two-band dipole from speaker wire for FD?
>
>
> Hi all -
>
> I'm trying to prepare for a Field Day backpacking excursion
> and need to put together an antenna for 40 and 20m. My
> original thought was a dipole fed with TV twinlead using
> a tuner, but I'd really like to eliminate the need
> to carry a tuner and swr meter in my backpack. The thought
> struck me that I could feed two parallel dipoles with
> coax and get a good enough match to not need the atu.
> Then the thought struck me (I'm getting pretty bloodied
> by now) that I might be able to use zip cord (speaker wire)

> for the radiator, cutting each of the two conductors for
> resonance on the two bands I need but otherwise not
> separating the two conductors. Has anyone tried that
> before? Seems like the only difference between this and
> the parallel dipoles in my back yard (which work nicely)
> is the distance between the radiators for each band. It
> would certainly be a simple antenna to put up.

My suggestion would be a hybrid of the two designs. You might have trouble getting a 40/20 dipole to match using speaker wire because the two radiators are so close together. Why don't you use the tv twinlead for the radiator? I am doing that using the el-cheapo stuff from Radio Shack and it works fine.

> Also, with dipoles, am I likely to see a significant
> difference in SWR with different orientations of the
> radiators (inverted V vs not, for example)? I want to
> be able to trim for resonance at home and have some
> confidence that the swr won't be significantly different
> (i.e. unacceptable) in the field.

You probably won't have to worry about this too much. If the resonant frequencies are far apart it won't matter if one is a dipole and the other is an inverted-v. They will probably interact a bit but you should be able to tune them to a very acceptable match on each band.

<snip>

>
> 72,
>
> Dave AB0GO

Date: 18 Jun 1998 11:30:14 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-1@Lehigh.EDU
Subject: [13365] Gap Antennas, Titan works Great
Message-ID: <n1313953062.23813@msmailgw1.arlut.utexas.edu>

Doug asked about the Gap antennas.

I have a collection of past postings this topic. They are in the Archives of

this list over the last three years. These are Asymmetrical Vertical Dipoles that have been made all band with transmission line decouplers along the length, making traps unnecessary. The Gap should then have lower losses, and because its feed coax is run up inside the vertical, it appears to have lower noise on receive than ground mounted quarter wave ground planes or verticals of ordinary design.

They are conservative in their 2:1 SWR bandwidth on the Titan, and it does not require any counterpoise wiring running out like radials, for it has a wheel counterpoise element that is part of the lower end of the antenna. I liken it to an upside down capacity hat in appearance, but upon close inspection you will see it is attached to the lower vertical triple walled tube, and then has a circular wire going around the "spokes" which then ends in an insulator. This wire combined with the 25 foot vertical, gives you half wave resonance on 40M. The wire is the other quarter wave on 40M. Because of the 40 inch radius of the spokes, The Titan works very well as an elevated Vertical, while the other Gap models can be easily ground mounted or elevated, except the 160M model probably fits the yard best elevated. I have a friend who elevated that one, another friend had the ground mounted model and I chose the Titan for its WARC and conventional bands coverage without tuning. It is one of the few (only?) vertical on the market that gives FULL band coverage to 40M and up. Check the specs, those trapped verticals do not give you all of 40M and some don't even give all of 20M!

Mine survived 40mph winds that took out the 6 foot mast footing I had under it temporarily. Then, I put three guy ropes of synthetic material on it, and it survived a year ago May, 75 mph straight line winds that took out trees next door, and in my frontyard, and all up and down our street. This was the outflow of the Jarrell tornado. Yes, Gap products are stout, but built to give at the top. Guying is a good idea for anything in high wind areas. Wal Mart has 880 lb. synthetic rope that does fine, and is a plastic insulator so can be simply looped around the mast at some place under the feed point Gap, near the middle.

I get more than 100 kHz at 2:1 or better on 80M without a tuner. But you can get extra caps for the plug in at the top of the tubing to change the 100 kHz segment you cover on 80M. Gap now makes a ground tilt mount to enable you to lower the antenna in high winds or to change the 80M coverage.

Gap is about to offer a 6M beam. I saw the prototype at Ham Com. It feeds the coax up inside the driven element and out to the "gap" point of 50 ohm match. It is 3 elements of very tough large diameter aluminum compared to the other 6M low cost beam. The price point will be at \$99 although they are not in production yet. I think you can place an order with them, but standard disclaimer, no company connection except as satisfied customer.

Date: Thu, 18 Jun 1998 11:30:39 -0500
From: applitech@mcg.net (Claton Cadmus)
To: <ekdave@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13366] Re: Two-band dipole from speaker wire for FD?
Message-ID: <023001bd9ad6\$8b63e320\$a10a5e2c@groucho.ka0gkc.amrp.org>

Your idea will work fine. As previously suggested you might use twinlead for the whole thing. I don't think the difference in separation will make much difference but I suspect the insulation on the twin lead is a bit less lossy to RF. Also, you can make the antenna out of a single 60 foot (approx.) piece of wire by cutting opposite conductors about 16 feet in from opposite ends and splitting the twinlead/speaker wire between the two cuts through the center. The outside ends become the feedpoint connections at your antenna center insulator.

Hope this Helps

73 de KA0GKC Claton Cadmus

cla@mcg.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Thu, 18 Jun 1998 09:32:39 -0700
From: W7LS <w7ls@blarg.net>
To: iapizloj@bic00.bi.ehu.es
Cc: qrp-1@Lehigh.EDU
Subject: [13367] Re: Salvaging floppy drive parts
Message-ID: <35894127.51C9@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. Don't forget the big, circular magnet in the motor. It is a pancake motor and the magnet makes a dandy mag-mount base for a 2 meter mobile antenna.

73 de Jim, W7LS

Jon Iza wrote:

>
> Folks,
> after the thread on salvaging MOSFETs from hard drive circuitry,
> I may add that 360 KB floppy drives are excellent sources of parts for
> automated couplers.
> The head linear movement may be used to insert/pull an inductor core
> or, scrapping the mechanism, use the motor axis to drive a variable
> capacitor, or pot. All the circuitry to drive the step motor is there.
> You only need +12 / +5 Volts, and three logic (TTL) lines for
> forward/backward, enable, and step.
> Let me know if you want to know more and I will elaborate.
> jon, ea2sn

Date: Thu, 18 Jun 1998 11:47:36 +0000
From: Rick Weber <weber@accenttech.com>
To: To:
Subject: [13368] Embedded Research?
Message-ID: <3588FE56.3690@accenttech.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

At Dayton, I bought a cute little surface-mount TICK 2B keyer from a company called Embedded Research. It works great, fits into very small space, and I want to order another one. Unfortunately, the instructions that came in the kit don't have an address or phone no.

Can anyone tell me how to get hold of these folks?

Thanks and 73!

Rick
W9QZ

Date: Thu, 18 Jun 1998 12:09:11 -0500
From: "Tim, KD5CKP" <kd5ckp@bellsouth.net>
To: weber@accenttech.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13369] Re: Embedded Research?
Message-ID: <358949B7.6978@bellsouth.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

<http://www.frontiernet.net/~embres/tick.htm>

73 Tim

--

* Tim Billingsley KD5CKP Tech+ & hooked on CW 0.5 WPM but tryin'
* 15 Meter Slo-Chat Anyone interested in participating or assisting
* See this page >>>--> <http://www.qsl.net/kd5ckp/slo-chat.htm>

Date: Thu, 18 Jun 1998 18:29:31 +0000
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
To: qrp-l@Lehigh.EDU, gqrp-l@blacksheep.org
Subject: [13370] International QRP Day Contest
Message-ID: <E0ymiVc-0002zi-00@hen.scotland.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Please will entrants let me know their equipment and antennas.
Results and info soon.

--73--

Frank G3YCC G QRP 042
email: g3ycc@g3ycc.prestel.co.uk
QRP web Site: <http://www.homeusers.prestel.co.uk/g3ycc/>
Packet: G3YCC@GB7HUL

Date: Thu, 18 Jun 1998 11:29:31 -0600
From: jaywa5whn@juno.com (Jay D Miller)
To: qrp-l@Lehigh.EDU
Cc: pharden@nrao.edu, kanga@bright.net, adams@sgi.com
Subject: [13371] 6 meters qrp xcvr/xverter kits
Message-ID: <19980618.112939.2662.2.JayWA5WHN@juno.com>

WOW !! The amount of email that I am receiving about 6 meters indicates that there is alot of interest within the QRP-L group. First, let me state that I am not an expert, when the subject is the 6 meters band. I am an observer. Next let me state that I have no financial interest in

Kanga kits or Ten-Tec. I have a Kanga GQ-20 {20 meter xcvr} and have really enjoyed playing with it. A bit different design than the NE602 mixer design that you see in the US. NA5N {na5n@rt66.com} had written a wonderful review of this rig. I think he has the GQ-40. Search the archives of QRP-L, it is in there. I also have a Ten-Tec xverter {20 meters in/6 meters out} that I really enjoy playing with too.

Since I had received alot of email asking about 6 meter xcvr kits & 6 meter xverters, let me state that I use both. Doug Demaw had written an excellent review of the Ten-Tec transverter. That article was published the same month as his death, in "CQ". Contact "CQ" direct for a copy of that article. I don't have a copy of it.

N8ET represents Kanga Kits in the USA. They offer a 6 meters xcvr SSB kit & a 6 meters xverter kit. If you need more data about these 6 meters kits, contact N8ET direct {not me} via the internet: kanga@bright.net . Also, check out the following URL;

<http://www.rf-kits.demon.co.uk/>

Ah, maybe a Fox Hunt on 6 meters in the future ?

Don't forget that this weekend is the SMIRK Contest. {It's in all of the Radio Magazines}.

Anyone on 10 GHz, in the SW USA ? 4 feet dish, with xcvr, will mountain top. BTW, in the July, '98 issue of "QST", great article about using GPS clock signals to phase lock TCXO's. Hmmm, trying to figure out how to use that on 10 GHz. :)

@ T minus 8 days until Field Day & counting.

72...Jay, WA5WHN DM65qd

Albuquerque, NM USA

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 18 Jun 1998 12:39:50 -0500 (CDT)
From: Dale Botkin <dbotkin@probe.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [13372] Re: Salvaging floppy drive parts
Message-ID: <Pine.BSI.3.96.980618122650.23887A-100000@elwood.probe.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 18 Jun 1998, W7LS wrote:

> Hi. Don't forget the big, circular magnet in the motor. It is a pancake
> motor and the magnet makes a dandy mag-mount base for a 2 meter mobile
> antenna.

While we're on the subject, if you want to see the coolest thing yet to do
with scrap floppy drive parts...
<http://www.bobblick.com/bob/projects/mclock.html>

ObQRP: How far from my steel siding do I need to keep 300 Ohm window
line? I've never used it before, but I'm looking at putting up an
off-center-fed wire. I'm assuming there's no good way to coax feed that
for multi-band use without a remote tuner.

Dale

-----

Dale Botkin, n0xas
Omaha, NE
Email: dbotkin@probe.net

"You can't expect to wield supreme executive power just because
some watery tart threw a sword at you!"
-- Monty Python & the Holy Grail

Date: Thu, 18 Jun 1998 13:39:07 -0400
From: Todd Nichols <nichols@rtp.ericsson.se>
To: qrp-1@Lehigh.EDU
Subject: [13373] Re: Altoids boxes - suggested applications
Message-ID: <358950BB.7AE7@rtp.ericsson.se>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill,

Take all those Altoids, and put different building blocks (audio
amp, IF amp, mixer, VX0, several different filters, etc., into
each one, with connectors and a feedthrough power lead. Then,

whenever you want to make a radio with a slightly different architecture, just mix 'n' match (1/2 smiley, since I've done UHF and microwave stuff this way - just with more expensive boxes :-) It's like Legos, except MUCH more fun :-) Build you up a set of jumper cables with RG-174 or somesuch, and you're all set!

Todd

--

Todd Nichols KB0HQU Ericsson Inc. (919) 472-7590
nichols@rtp.ericsson.se Research Triangle Park, NC
.sig is offline

Date: Thu, 18 Jun 1998 13:43:09 -0400
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Cc: gqrp <gqrp-l@blacksheep.org>
Subject: [13374] QRP ARCI Award
Message-ID: <199806181343_MC2-40A0-1BAC@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi gang,

I nominated three founder members of the Spanish qrp club for an award from
ARCI, and I'm pleased to say I now have confirmation of their awards.

Congratulations to Miguel, EA3EGV, Miguel EA3HFC and Vicenc EA3ADV. The
citation reads =

"for outstanding efforts in developing the EA-QRP Clubto over 400=
membersQRP-ARCI thanks these hams for their perseverance in
establishing the EA-QRP club."

Thankyou to QRP-ARCI from me for recognising their achievements with a fine
certificate and citation.
Anybody wants details of the EA-QRP Club, e-mail me direct.

72 and 73 de Mel

GM6JAG
Edinburgh, Scotland UK
Home of the last HW9

Area Chairman, British Caravanner's Club
Web Pages <<http://users.aol.com/bccscot/page1.html>>

Alternate e-mail address: <melgm6jag@aol.com>

Authorised at 11kv, 33kv, and up to 275kv

Check out < <http://users.aol.com/euramcom/welcome.html> >
for details of euro-american components equivalents

Date: Thu, 18 Jun 1998 13:53:53 -0400 (EDT)
From: jeverhar@camden.lmco.com
To: qrp-1@Lehigh.EDU
Cc: jeverhar@camden.lmco.com
Subject: [13375] CIRCAD ignorance
Message-ID: <9806181753.AA27583@train11.cse.l-3com.com>

OK gang, I have to expsoe my ignorance once more. I am attempting to learn how to use CIRCAD effectively. But... womehow things have not yet "clicked" into place.

I'm sure most of us have experienced the *ah* that comes when you really start to understand a concept or, these days, a new software pacage and just how to go about using it.

Well my grasp of how to use CIRCAD is as yet sadly lacking. The demo version is really neat and looks like it will do lots for me. I have it loaded and even have a couple of example pcb board and schematic diagram files to look at graciously provided by qrp-lers.

However I am having diffiucilty doing some seemingly simple things.

1. A couple of the files are complete, but rotated 90 degrees. How on earth do I rotate them "right side up" so that I can see them. I don't want to put my monitor on its side. ;-)
2. When I am doing a drawing, how do I generate a curved line. The "ARCS and CIRCLES" function would seem the logical thing to use, but how do you get anything out of its besides circles and ellipses?

Though the user's manual is integral to the program, it is like most manuals these days, a reference manual to remind an experienced user how to do something he has once learned. For a beginner to the program it can be awkward.

Two other things:

1. I have a copy of a CIRCAD faq provided by someone on the list. Is it available on a web page somewhere?
2. Is there a user's group or web site that has other hints or info on using CIRCAD for us cheap folks who are using the demo version?

I suspect that I am not alone in wanting assistance, there are probably others out there who are just too shy to ask!

TIA (Thnaks in advance!)

72/73,

Joe E., N2CX

Date: Thu, 18 Jun 1998 12:56:34 -0500
From: Larry Cruise <Larry.Cruise@MCI.Com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [13376] An Interesting GAP review
Message-ID: <01BD9AB8.86AD3480.Larry.Cruise@mci.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Anyone considering a GAP antenna should read the review by Peter Hart in the December 1991 issue of Radio Communications (RadCom). RadCom is the British equivalent of QST. In his review he gives A-B comparisons between the GAP DX-VI, Butternut HF6V with 12 radials and a DX33 beam at 30 feet. He also gives a very good description of how this antenna works.

These A-B type comparisons are rarely seen in US Ham magazine reviews. All antennas radiate, but some do the job better than others. Antenna reviews are much the same. RadCom does a much better job than any of the US reviews I have seen on the GAP. You might say they fill in the GAPS that others have missed. :)

Some quotes from Peter Hart's review:

"On 3.5MHz, the Butternut was first tuned to the same resonant frequency as the Challenger. At this frequency, the Challenger was about 1 to 1 1/2 S-points down on the Butternut.". . .

"On 7,14 and 24MHz there was no perceptible difference. . ."

"On 21MHz, the Challenger was 1 to 2 S-points down and on 28MHz generally similar but up to 1/2 S-point down on some signals."

"These results were remarkably consistent and independent of direction or whether the signals were local or DX."

-72 Larry aa5ta (West Texas)

Date: Thu, 18 Jun 1998 13:03:36 -0500
From: applitech@mcg.net (Claton Cadmus)
To: <ekdave@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13377] Re: Two-band dipole from speaker wire for FD?
Message-ID: <024501bd9ae3\$85008760\$a10a5e2c@groucho.ka0gkc.amrp.org>

Opps,

>Also, you can make the antenna out of a single 60 foot (approx.) piece
>of wire.....

That should have read "50 foot (approx.) piece of wire"

73 de KA0GKC Claton Cadmus
cla@mcg.net
MNQRP #1
Minnesota QRP'ers we're looking for you!
Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Thu, 18 Jun 1998 15:44:51 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: <qrp-l@Lehigh.EDU>
Subject: [13378] Book Trade: Satellite Anthology for Hints and Kinks.
Message-ID: <008501bd9af1\$903f1110\$a71105d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would like to trade my copy of ARRL's Satellite Anthology (excellent condition) for a copy of ARRL's Hints and Kinks.

Private e-mail, please.

73 de Vince, VE3VFN.
vferme@sprint.ca

Date: Thu, 18 Jun 1998 13:23:50 -0700
From: Norm Melick <henmel@postoffice.worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [13379] Herring Aid 5
Message-ID: <35897756.B4D02F3E@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It looks as if I found a discrepancy in the labeling of L1 and L2 on the herring aid 5 board. If some of you sharp eyed guys can help me out, I'd appreciate it.

The way I see it, if I hook up L1 according to the silk-screen label on the board, L1 will end up connected to C1 and the other side will go to C2, C2A then ground, which I don't think is correct. This then throws off L2 connections. If I hook it up according to the schematic, then I need to move the labels on the board 1 hole counterclockwise. P4 becomes P5, P3 becomes P4, P2 becomes P3 etc.

Also, comparing the silk-screen board labels to the labels on pg.45 in the QRPp Spring 98 issue appears to confirm this. P1 is

next to C2 in the book, but the silkscreen labels P5 next to C2.

Am I missing something, or have I been up at altitude waaaaay too long without an oxygen mask.?

72/Norm
KQ6SD

Date: Thu, 18 Jun 1998 16:30:09 -0400
From: "Wayne Smith" <k8ff@en.com>
To: <qrp-1@Lehigh.EDU>
Subject: [13380] F00MAC in log!
Message-ID: <199806182029.QAA29042@grover.en.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Gang, I worked Bill F00MAC yesterday at 0830z on 14.025 cw. I was running 1.25 watts output as indicated on my RS digital wattmeter. He was running europeans at the time and I had no problem busting thru the pileup.. QRP works!!
72 de Wayne K8FF

Date: Thu, 18 Jun 1998 20:44:41 +0100
From: wd3p@juno.com (Larry Cahoon)
To: qrp-1@Lehigh.EDU, moyle@essc.psu.edu
Subject: [13381] Re: WAS
Message-ID: <19980618.204443.4390.0.wd3p@juno.com>

Al , N3KFL, Said:

>going to have to move to a QTH which is more than 50 miles from the current
>one and I'm 4 states short of completing my QRP WAS. Is anyone in South
>Dakota, Nebraska, Wyoming (a real long shot), and Washington

If you are looking for states and don't need them 2xQRP one of the best places outside of the contest is on the county hunters net. Try 14.056.6 for CW and 14.336 for SSB. There is frequently someone in the rare states. The CW net is not always real busy, but it picks up on weekends and during the summer. The CW guys run the counties with or without a net control, they are good at picking out the weak signals. They do allow for

relay where someone passes the call signs - but each has to pass the RST and verify what they heard - you don't have to do the relay if you don't want to.

As for the states mentioned - K7OC/M is frequently heard in WA. Two weeks ago in one weekend I worked ND,SD,NE, and WY all QRP. I checked the county hunter web page this afternoon - W7TSM expects to be running WY and MT counties this weekend on CW.

Have fun, 73 de Larry.....WD3P

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 18 Jun 1998 17:19:41 -0400
From: Stewart Whitehouse <STEW_W@compuserve.com>
To: Low Power Amateur Radio <QRP-L@Lehigh.EDU>
Subject: [13382] NQ2RP/B
Message-ID: <199806181720_MC2-40A7-99F@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi folks,
Have been monitoring the NQ2RP/B freq most of the day using
FFTDSP 4.2. FFTDSP is DSP software used by the moon bounce
crowd to look for weak signals. Although I haven't HEARD anything
I began to SEE evidence of a signal at about 2006Z (June 18) and
it appears to be getting stronger. It is still quite weak and not audible=

at 2035Z.

The equipment here is an OMNI VI and R7 vertical. FFTDSP is running
on a 486DX4/75MHZ with Sound Blaster 16 card. Just feed the receiver
audio into the SB mic input and let the program do it's stuff. Makes a
great
audio spectrum analyzer too; with resolution down to about 10HZ.
See AF9Y's web site at <<http://www.webcom.com/~af9y/>> for demo
copy of FFTDSP.
I have no connection with AF9Y. Just having fun with his software.

I'll let ya'll know if I'm actually SEEing the NQ2RP Beacon when/if I
actually

hear and ID it.

73/72
Stew KE4YH
Dunedin, Florida
EL88oa

Date: Thu, 18 Jun 1998 16:47:53 -0600
From: Mike - W0TMW <crucis@sky.net>
To: weber@accenttech.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13383] Re: Embedded Research?
Message-ID: <35898B09.98F3898C@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here's the URL. The address and phone number can be found there.

<http://www.west.net/%7ewpc/home.html>

Mike - W0TMW

Rick Weber wrote:

>
> At Dayton, I bought a cute little surface-mount TICK 2B keyer from a
> company called Embedded Research. It works great, fits into very small
> space, and I want to order another one. Unfortunately, the instructions
> that came in the kit don't have an address or phone no.
>
> Can anyone tell me how to get hold of these folks?
>
> Thanks and 73!
>
> Rick
> W9QZ

--

=====
Mike Watson, W0TMW QCWA Mbr # 28651, Chap. 35
Raymore, MO USA Grid: EM28st ARCI# 9647
<http://www.sky.net/~crucis>
E-mail: crucis@sky.net ARS# 352, QRP-L# 1489
=====

Date: Thu, 18 Jun 1998 17:52:09 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13384] Important GPS info and roll over date/
Message-ID: <19f29dc8.35898c0a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang,
Go to this site and click GPS. When that loads click links
This is a straight to the point no bull GPS site endorsed by the DoD and USCG
There is also a link where you can punch in your qth, cords and other info and
in appx 5 seconds, you will see what SV's are over your area, height etc.
Don't forget to read the page about the roll over date for the year 2000.
This may make some GPS units useless and the DoD has plans now to make the
required changes for the SV's in AUG.1999.
The site also has tons of educational info about the GPS system and how
everything works.
The URL is< <http://www.navcen.uscg.mil>>
Bob
WA2HOQ

Date: Thu, 18 Jun 1998 18:21:25 -0400
From: Ed <edn4pk@voyageronline.net>
To: Lauri_Frank_J@bns.att.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13385] Re: Space between antennas?
Message-ID: <358992E5.6A291AE5@voyageronline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Depends on how long a mast pipe you have. In other words that is the
"critical" length.....hi
Ed N4PK

Date: Thu, 18 Jun 1998 18:25:21 EDT
From: ARDUJENSKI@aol.com

To: qrp-1@Lehigh.EDU
Subject: [13386] MARINE PUBLICATION
Message-ID: <1d3e97a4.358993da@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

i have received several emails about how to get a copy of the publication MARINE SINGLE SIDE BAND SIMPLIFIED by Gordon West. According to Charlotte at ICOM they anticipate the publication to be available in August. Apparantly they provied me with and "advance copy". They are thinking about having it printed in book form at a gusetimate cost of \$15. My suggestion would be to make it softback and make it available for half that. You may want to call Charlotte directly for details.
de Alan KB7MBI

Date: Thu, 18 Jun 1998 15:30:34 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: Scott Bauer <ke3nv@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13387] Re: Zombies
Message-ID: <Pine.BSF.3.96.980618152917.22529A-1000000@shell114.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Tell her no, if it don't work out...

On Wed, 17 Jun 1998, Scott Bauer wrote:

> Naw, It cant be the "time of the season" Because,
> "Shes not there" ;-))
>
> w3cv, Scott Odenton
>
> At 06:32 AM 6/17/98 -0700, you wrote:
> >At 01:12 PM 6/16/98 -0700, you wrote:
> >>Robert P. Okas wrote:
> >>
> >>> Naw, It's the time of the season...
> >>
> >>>Wonder how many caught on to this one?
> >>
> >>>72 de Jim - AD6CW
> >>

> >>
> >>
> >I preferred to ignore it....too painful, given the fact that I was in
> >broadcasting working as a Top-40 DJ when that was released and that it's
> >been nearly 30 years;>)
> >
> >BTW, for those who might remember the days when radio (and broadcasting in
> >general) was *fun*, I just received my e-mail copy of the Portland SBE
> >Newsletter and saddened to find that Robert W. Morgan (one of the KHJ "Boss
> >Jocks") has died...apparently of cancer.
> >
> >Jack, W7PW
> >(ex-WOKY, Milwaukee and WDHF, Chicago)
> >
>
>
>

Date: Thu, 18 Jun 1998 17:45:36 -0500 (CDT)
From: Dale Botkin <dbotkin@probe.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13388] Re: An Interesting GAP review
Message-ID: <Pine.BSI.3.96.980618173746.17813B-1000000@elwood.probe.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 18 Jun 1998, Larry Cruise wrote:

> Anyone considering a GAP antenna should read the review by Peter Hart in the
> December 1991 issue of Radio Communications (RadCom).

Larry,

I'm not surprised the GAP isn't quite as good as a Butternut with six radials... I expected it. To be honest, what attracted me to the GAP was the *lack* of radials and no time spent tuning. I now have an MFJ-259, so tuning isn't nearly the issue it once was, but at that time the thought of tuning a Butternut was painful. Also, roof mounting is out of the question for me, and burying radials in a good pattern around the antenna is problematic in my yard. I was able to plant the GAP in the corner with the counterpoise wires covering less than 180 degrees without severely impacting things. I was sure there would be a trade-off, and I pretty much knew what it'd be <grin>... but a good antenna, rather than a fantastic antenna, was better than trying to load up the gas grill!

Dale

--... ..-... . -. ----- -...- .- ...

Dale Botkin, n0xas

Omaha, NE

Email: dbotkin@probe.net

"You can't expect to wield supreme executive power just because
some watery tart threw a sword at you!"

-- Monty Python & the Holy Grail

End of QRP-L Digest 1126
